

# E-Mail

**To:** AQS REGISTERED USERS

**From:** Jake Summers  
US EPA, OAQPS, ITPID, IMG

**Date:** 05/23/02

**Subject:** AQS Client v2.2 Release

## AQS Users

The new AQS client Version 2.2 has been loaded to the address:

<http://www.epa.gov/ttn/airs/aqs/aqssoftware.html>

and is ready for down load and installation. The list of corrections included in this version and the remaining known issues are also available at: <http://www.epa.gov/ttn/airs/aqs/index.html> "Known Issues". This version should be installed as soon as possible to ensure that the modifications and corrections included are available for use as soon as possible.

This new release includes the three major upgrades discussed below:

1. The standard reports can now be submitted to run completely in the batch mode. Before this upgrade, the monitor selection step was executed online and locked up the user's PC until it was complete. This modification will allow users to submit as many jobs as needed in batch and get the results by email or in a file on Volcano for down loading.
2. The standard reports now have the capability to select by reporting organization. The selection block only displays two lines, but more can be entered by using the "+" to create a blank line and the drop down to select the reporting organizations.
3. The load processing has been optimized to increase the load speed to help process more data and reduce working capital costs. All of this optimization has been done with changes to software on the server and not in the client. The latest change just implemented results in all data being loaded to the Correct tables before loading to the database.

This change has resulted in output changes to the load step which are documented in attachment "[Batch\\_Changes\\_v2.2.html](#)".

The other two attachments list the issues resolved

"[AQS 2.2 Closed Issues.html](#)" and remaining known issues

"[AQS 2.2 Known Issues.html](#)". The list of resolved issues is split between client and server issues. The server issues were loaded to the server as fixed independent of the client release.

There are some database issues that have not been discussed recently. These issues relate to the status of raw data conversion as well to other data conversion. These issues include:

1. The data conversion and load was stopped after 1993 data. The load for the 1992 has been delayed until load performance could be improved.

Also, although data for 1993-2001 was loaded, only 1998-2002 can be updated. There will be a separate notification when the earlier years will be available for update. Also, after older years have been available for update, these years will be moved to disks for read only and no update access. This is also expected to improve performance.

2. Some accuracy reporting organization summaries that are incomplete. The analysis and correction of software is expected to be complete next week, After the software is corrected, the summary calculations are expected to be completed by June 17. I suggest that the raw data be reviewed and validated first so that when the accuracy summaries are complete, the final SLAMS certification process will be over half done.

3. There are several meteorological parameters which need to have changes made in the standard units. These changes will be addressed in a separate email to both collect information and define the schedule for these changes.

4. The precision flow audits for continuous PM10 and PM2.5 are rejected by the load process. Although there was a guideline that defined this data as valid for QA reporting, Appendix A of 40 CFR Part 58 that contains Precision/Accuracy requirements is under review. The quality assurance staff has indicated that flow audits reported as both precision and accuracy are not useful so the load will not be changed to allow these flow audits. These precision flow audits for continuous PM should not be submitted for load.

5. The required sampling frequency for each monitor was converted from AIRS/AQS including "0" which is now invalid. For PM2.5, any monitors that have a "0" for required sampling frequency will not have the summary calculations performed correctly (the 98% will be blank on the Quick Look Report). The system does not currently allow the required sampling frequency to be changed if raw data has been reported. This problem is currently be corrected. The problem is caused because the process causes the summaries to be recomputed which causes the SLAMS certification flag to be lost. The Critical Review processing needs to be revised. Once the software problem is resolved, users will be contacted to get correct sampling frequencies.

Please down load and install the new client to take advantage of the new improvements and

software error corrections. The next client release is tentatively scheduled for the first week of June. The goal is to correct all remaining issues in this version of the client.

Thank you for your continued support as we continue to improve the new system.

Thanks,

Jake Summers  
Information Management Group  
ITPID/OAQPS/OAR/EPA  
C339-04  
Research Triangle Park, NC 27711  
(919) 541-5695 (Phone)  
(919) 541-7674 (Fax)  
summers.jake@epa.gov

(See attached file: [AQS 2.2 Known Issues.html](#))

(See attached file: [AQS 2.2 Closed Issues.html](#))

(See attached file: [Batch Changes v2.2.html](#))